

## Abstract

A valve actuator for operating a gas exchange valve of an internal combustion engine has a sleeve-shaped positioning piston (2) which is connected to a valve stem (5), has at least two shell-shaped wedge pieces (6, 7) enclosing a stem end (5a) of the valve stem (5), whose radially outer peripheral surfaces have a conical segment (10) which tapers off with increasing distance from the gas exchange valve (1) and which is at least partially surrounded by a conical clamping sleeve (13) having a mating conical inner surface (12) and is connected to the positioning piston (2). The wedge pieces (6, 7) are axially form-fittingly and rotatably connected to a threaded bolt (41). A threaded segment (31) is provided on the threaded bolt (41) via which the wedge pieces (6, 7) and the conical clamping sleeve (13) are axially attachable to one another.

(Figure 1)